

ABHAY VENKATESH

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EXPERIENCE

Anduril Industries Software Engineer

Irvine, CA
May 2019 —

- Platform Infrastructure Product and Architecture under **Nabil Enayet** focusing on Lattice, Deployment, and Simulation
- Founding Engineer under **Jared Newman** focusing on Autonomy, Space, Lattice, and Systems
- Perception Engineering under **Brian Schimpf** focusing on Object Detection for Ghost and Quantized Learning for Edge-Inference

University of Wisconsin-Madison Research Assistant

Madison, WI
September 2016 — May 2019

- Machine Learning research under **Dr. Vikas Singh**
 - *Learning with Data-Dependent Regularizers* (Microsoft COCO Leaderboard #3 Globally, AAI 2019, DeepMath 2019)
 - *Semi-Supervised Learning with Hermite Polynomials* (CVPR 2020, MMLS 2019 with Best Student Paper)
 - *Learning View-Invariant Semantic Segmentation* (SDM 2018, CMMRS 2018, Hilldale 2018)
- Built a human-robot collaborative task-authoring environment using Angular/Javascript for HRI research under **Dr. Bilge Mutlu** in collaboration with **MIT CSAIL**
- Won a best exhibit award at the *Wisconsin Engineering EXPO* for implementing a computer vision enabled smart home system in Python

Facebook, Inc. Software Engineer Intern

Menlo Park, CA
May 2018 — August 2018

- Data Science and Analytics with SQL for the *Broad Trust* i18n launch to 7 countries
- Launched a large-scale ranking experiment based on an unsupervised learning model on 1% of Facebook's user base
- Built an article-to-context mapping system with 99% precision and 99% recall

Stanford University Research Intern

Stanford, CA
June 2017 — September 2017

- Fullstack features for *Daemo*, a crowdsourcing platform, using Angular/Javascript/Python/Django under **Dr. Michael Bernstein** at the **Stanford CS Department**
- Built a multi-robot *ChairBot* control system using Node/Javascript/C++/Swift for **Dr. Wendy Ju** at the **Stanford Engineering Department**

EDUCATION

University of Southern California B.S. Computer Science

Los Angeles, CA
Admitted but did not enroll

Stanford University Summer Session, Design and Analysis of Algorithms

Stanford, CA
4.0

University of Wisconsin-Madison B.S. Mathematics, Computer Sciences (Honors)

Madison, WI
Distinction

HIGHLIGHTS

Graduate Record Examinations, 336/340, 6/6	2021
Contrary Talent Fellow, ~100 selected from pool of 2000+ top early-career tech talent	2020
The Case for Unifying Data-Loading in Machine Learning Clusters, HotCloud	2019
Dean's Award of Excellence, For Madison Enactus where Abhay was VP of Technology	2016
John W. Jung Memorial Scholarship, Awarded for leadership, excellence, and service	2016
National 3rd Place in Top Tech Quiz, Prestigious national award out of 15,000 participants	2014
State Recommendation, For Founding a successful not-for-profit	2014

LEADERSHIP

President, Co-Founder *AI Club, UW-Madison* 2017 — 2018